

Customer No. 24498
Attorney Docket No. PU020286
Office Action Date: June 12, 2008

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IN THE CLAIMS:

1. (Currently amended) Apparatus, comprising :
~~a radio frequency (RF) remote control configured for entering a user desired channel frequency selected from a plurality of pre-defined frequency values;~~
a reception circuit (33) including a frequency synthesizer configured for receiving an incoming wireless audio file signal from a computer;
a decoder (32) for digitally demodulating an audio file signal from said reception circuit; and
~~a processor (34) for polling the decoder for detecting a loss of phase lock condition in the demodulation of the audio file signal and re-initializing said decoder (32) in response to a the loss of a phase lock in said demodulating of said audio file signal and setting said frequency synthesizer at one of the plurality of pre-defined frequency values frequencies to re-establish said phase lock in said demodulating of said audio file signal and sending the audio file to an audio system.~~
2. (Original) The apparatus of claim 1, wherein said plurality of frequencies comprise 900MHz range channel frequencies.
3. (Original) The apparatus of claim 2, wherein said plurality of frequencies comprises 905 MHz, 911 MHz, 917 MHz and 923 MHz.
4. (Previously presented) The apparatus of claim 1, wherein said decoder comprises an eight-to-fourteen modulation EFM digital decoder.
5. (Original) The apparatus of claim 1, wherein said demodulating said audio file signal provides a digital audio stream conforming to an I2S audio format.
6. (Original) The apparatus of claim 1, wherein said processor (34) is a microprocessor.

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7. (Currently amended) A computer readable storage device having software instructions recorded thereon that, when executed by a processor, performs the steps of:

receiving a modulated audio file signal from a computer;

demodulating said audio file signal to a digital audio stream;

detecting a loss of phase lock condition in the demodulation of the audio file signal;

re-initializing said demodulating in response to a the loss of a phase lock in said demodulating of said audio file signal;

setting said receiving of the modulated audio file signal at one of a plurality of channel frequencies to re-establish said phase lock in said demodulating of said audio file signal; and

sending the audio file signal to an audio system.

8. (Original) The computer readable medium of claim 7, wherein said demodulating comprises a digital eight-to-fourteen modulation EFM digital decoding of said audio file signal.

9-20. (Cancelled)

21. (Withdrawn) A method for automatic channel hopping comprising the steps of:

selecting a transmission channel frequency from a plurality of pre-defined frequency values via a radio frequency remote control;

receiving an incoming wireless audio file signal from a computer;

synchronizing to a carrier frequency;

decoding the audio file signal;

detecting a loss of the wireless audio file signal;

programming to one of the plurality of frequencies to reestablish a phase lock during decoding of the audio file signal when the signal loss is detected;

setting at said one of a plurality of channel frequencies until said phase lock in said decoding is established; and

sending the audio file to an audio stereo system.

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22. (Withdrawn) The method of claim 21, wherein said plurality of frequencies comprise 905 MHz, 911 MHz, 917 MHz and 923 MHz.

23. (Withdrawn) The method of claim 21, wherein the wireless audio file comprises an MP3 file.

24. (Withdrawn) The apparatus of claim 1, wherein the wireless audio file comprises an MP3 file.

25. (Withdrawn) The computer readable storage device of claim 7, wherein the audio file signal comprises an MP3 file.

26. (New) The apparatus of claim 1, further comprising a radio frequency (RF) remote control configured for entering a user-desired channel frequency selected from a plurality of pre-defined frequency values;